WHAT IS CLAIMED IS:

- 1. A magnet mounting assembly for use in detachably mounting a device to a rounded ferromagnetic surface of a liquid storage tank, said assembly comprising:

 a ferromagnetic support plate including a central axis, and an interior face;
 a ferromagnetic plate extension depending from said interior face;
 a permanent magnet disposed on said interior face; and
 said plate extension being sized and shaped with a plurality of axial heights
 relative to said plate, to form a plurality of legs having terminal edges, said edges being configured to engage the rounded ferromagnetic surface at a plurality of non-contiguous locations thereon.
 - 2. The assembly of claim 1, wherein said support plate is substantially flat.
 - 3. The assembly of claim 1, wherein said plate extension extends substantially orthogonally relative to said interior face of said support plate.
 - 4. The assembly of claim 1, comprising four legs.
 - 5. The assembly of claim 1, wherein said edges define a geometry having a transverse dimension d disposed orthogonally to said axis, said edges are disposed at an oblique angle α relative to said transverse dimension, and a ratio of said transverse dimension d (in inches) to said angle α (in degrees) is within a range of about 1:0.5 to 1:2.
 - 6. The assembly of claim 1, comprising a V-block, wherein said edges of said legs define at least a pair of mutually intersecting planes forming a V-groove.

- 7. The assembly of claim 6, comprising one or more V-grooves configured to contact said rounded ferromagnetic surface tangentially in four non-contiguous locations on said rounded magnetic surface.
- 8. The assembly of claim 6, wherein said planes of said one or more V-grooves are disposed at an angle α of from 1 to 4 degrees relative to a plane orthogonal to said axis.
- 9. The assembly of claim 8, wherein said angle is from 2 to 3 degrees.
- 10. The assembly of claim 6, comprising two legs.
- 11. The assembly of claim 10, comprising four legs.
- 12. The assembly of claim 10, wherein said plate extension extends continuously about said periphery.
- 13. The assembly of claim 6, wherein axial heights of said planes are greater than an axial height of said magnet.
- 14. The assembly of claim 13, wherein said magnet is free of said mutually intersecting planes.
- 15. The assembly of claim 1, wherein said periphery of said support plate is rounded in a transverse plane orthogonal to said axial direction.
- 16. The assembly of claim 1, wherein said periphery of said support plate is substantially circular in said transverse plane.
- 17. The assembly of claim 1, wherein said rounded ferromagnetic surface is an exterior surface of a storage tank.

- 18. The assembly of claim 1, wherein said rounded ferromagnetic surface is cylindrical.
- 19. The assembly of claim 1, wherein said rounded magnetic surface is spherical.
- 20. The assembly of claim 1, wherein said magnet is bonded to said interior face of said support plate with an adhesive.
- 21. The assembly of claim 1, wherein said magnet is a ceramic disc magnet.
- 22. The assembly of claim 1, wherein said support plate comprises a mounting aperture.
- 23. The assembly of claim 1, wherein said support plate comprises an alignment aperture.
- 24. The assembly of claim 1, wherein said support plate and said plate extension comprise a metal selected from the group consisting of iron and nickel.
- 25. The assembly of claim 1, wherein said support plate and said plate extension are sized and shaped to direct the flux from said magnet to said terminal edges.
- 26. The assembly of claim 1, wherein said support plate and said plate extension comprise a non-sparking surface layer.
- 27. The assembly of claim 26, wherein said non-sparking surface layer is selected from the group consisting of brass and stainless steel.
- 28. A method of detachably mounting a device to a rounded magnetic surface, said method comprising:

providing a magnet mounting assembly of the type set forth in claim 1;

providing a device;

disposing the device on an exterior face of the support plate to form a magnetic mounting device; and engaging said magnetic mounting assembly with a rounded magnetic surface, wherein the terminal edges of the legs contact the rounded magnetic surface in a

29. The method of claim 28, wherein the flux from said magnet is directed to the terminal edges of said four legs.

plurality of non-contiguous locations thereon.

- 30. The method of claim 28, wherein said plate extension comprises a V-block including one or more V-grooves, wherein the one or more V-grooves engage the rounded magnetic surface tangentially at a plurality of non-contiguous locations thereon.
- 31. The method of claim 28, wherein said device is a measurement device.
- 32. The method of claim 28, wherein said support plate includes an aperture, and said disposing comprises disposing the device to the exterior face of the support plate with a fastener extending through the aperture.
- 33. The method of claim 32, wherein said support plate includes an alignment aperture, and said disposing comprises aligning a portion of the device with the alignment aperture.
- 34. A measurement device/storage tank assembly comprising:
 - (i) a storage tank having an exterior rounded ferromagnetic surface;
 - (ii) a magnetic mounting measurement device disposed on said storage tank, said magnetic mounting measurement device including a measurement device and a magnet mounting assembly fastened thereto, said magnet mounting assembly including:

- (a) a ferromagnetic support plate having a periphery, an exterior face, an interior face, and a plate extension disposed on said periphery, said plate extension being on the same side of said support plate as said interior face and having a plurality of heights, wherein said plate extension comprises four legs having heights greater than the heights of the remainder of said plate extension; and
- (b) a permanent magnet disposed on said interior face of said support plate;

wherein terminal edges of said four legs are engaged with said rounded magnetic surface at four non-contiguous locations thereon.

- 35. The assembly of claim 34, said plate extension comprising a V-block, wherein edges of said legs define at least a pair of mutually intersecting planes forming at least one V-groove, said V-groove being disposed in tangential engagement with said rounded magnetic surface.
- 36. A magnet mounting assembly for use in detachably mounting a device to a rounded ferromagnetic surface of a liquid storage tank, said assembly comprising:
- a ferromagnetic support plate having a central axis, a perimeter, an exterior face, an interior face, and a ferromagnetic plate extension depending from said perimeter, said plate extension being on the same side of said support plate as said interior face and having a plurality of heights;
 - a permanent magnet disposed on said interior face; and

said plate extension including four legs having axial heights greater than the axial heights of the remainder of said plate extension;

wherein a distal edge of each of said four legs is sized and shaped to engage the rounded ferromagnetic surface in a plurality of non-contiguous locations thereon.